Mohammed Musaif

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PROFILE

- Experienced Splunk Engineer, Developer, and Python Automation Developer with **2.5 years of dedicated service** at **Solugenix Pvt Ltd**. Specializing in Python scripting and SPL query development, I create robust software solutions.

- As a passionate professional, I have a proven track record in building and scaling data infrastructure. Currently, I work as a System Analyst at Solugenix, where I am responsible for the development of Splunk data streaming and transformation applications, as well as operational productivity tools.

- Seeking a challenging data engineering role to leverage my skills and experience.

PROFESSIONAL SUMMARY

Splunk Engineer, Developer, and Python Automation Developer with 2+ years of professional experience at Solugenix. Skilled in managing, optimizing, and automating Splunk and Dynatrace applications.

- Manage and maintain Splunk infrastructure, ensuring optimal performance and data integrity.
- Configure and monitor Splunk indexes, inputs, and outputs.
- Troubleshoot issues, perform capacity planning, and ensure compliance with security best practices.
- Develop Python scripts to automate Splunk and Dynatrace processes.
- Integrate automation solutions using APIs.
- Onboard applications into Splunk, configure data inputs, and manage log ingestion.
- Analyze log data, create dashboards, alerts, and reports for actionable insights.
- Configure and manage Dynatrace monitoring solutions.
- Integrate Splunk and Dynatrace for comprehensive monitoring and troubleshooting.
-Develop Python scripts to integrate data from Excel, Csv files into databases, created pipelines to pull and store data efficiently.

PROFESSIONAL EXPERIENCE

Systems Analyst, *Solugenix* ⬚   04/2022 – present
Role Description: Splunk Engineer, Administrator & Automation Developer   Hyderabad, India
2+ Years of professional experience in IT Industry as a Splunk Engineer, developer, and Automation Developer at Solugenix, the primary responsibility is to oversee the management, optimization, and automation of Splunk and Dynatrace applications. This multifaceted role involves a combination of technical expertise, problem-solving skills, and software development proficiency.

Responsibilities:

1. **Splunk Engineering:**
- Manage Splunk infrastructure, including installation, configuration, and maintenance of Splunk servers and components.
- Configure Splunk indexes, inputs, outputs, and other settings to ensure optimal performance and data integrity.
- Monitor Splunk deployment health, troubleshoot issues, and perform capacity planning to meet business requirements.
- Implement security best practices and ensure compliance with regulatory standards in Splunk environment.

2. Automation Development:

- Develop automation solutions using Python scripting to streamline various Splunk and Dynatrace processes.
- Design and implement Python scripts to automate tasks such as application onboarding, log ingestion, index creation, and password management.
- Utilize APIs and SDKs provided by Splunk and Dynatrace to integrate automation scripts with existing systems and workflows.
- Continuously improve automation scripts to enhance efficiency, reliability, and maintainability.

3. Application Onboarding and Log Management:

- Onboard new applications into Splunk by configuring data inputs, sourcetypes, and index configurations.
- Ingest logs from various sources, including system logs, application logs, databases, AWS, and web servers, into Splunk for analysis and monitoring.
- Develop strategies for log data normalization, enrichment, and retention to facilitate effective searching, reporting, and alerting in Splunk.

4. Data Analysis and development:

- Analyze log data in Splunk to identify trends, anomalies, and performance issues across applications and infrastructure.
- Create dashboards, alerts, and reports in Splunk to provide actionable insights and facilitate proactive monitoring and troubleshooting.
- Collaborate with stakeholders to define key performance indicators (KPIs) and develop custom searches and visualizations to meet specific business requirements.

5. Dynatrace Configuration and Integration:

- Configure and manage Dynatrace monitoring solutions to monitor the performance and availability of applications and infrastructure.
- Develop automation scripts to automate Dynatrace configuration tasks, such as adding servers and IPs to monitoring profiles.
- Integrate Splunk and Dynatrace to leverage combined insights for comprehensive application and infrastructure monitoring and troubleshooting.

SKILLS

Programming Languages

Python, JavaScript, MySQL, PostgreSQL, React-js

Development tools

VSCode, GitHub, Bitbucket, Bootstrap, Jira, Aws, Oracle VM VirtualBox, MobaXterm, Linux

Python Modules

Pandas, NumPy, Psycopg2, MySQL, FastApi, Requests, Pyautogui, Matplotlib etc

EDUCATION

B.TECH (Mech), *CMR Engineering College* ⧉ 07/2017 – 11/2021
Hyderabad, India

AWARDS

Star Performer, *Solugenix* 01/08/2023
- On automation performance, Automate Capital group's Splunk instance data on-boarding from various sources.

PROJECTS

Data Model & Pipelines ⧉

React-js ⧉

Communication Website ⧉

Interior website ⧉